

**Candidate supervisor's information summary form**  
maximum 2 pages – it should be a summary of most important achievements

Name and surname, degree, title: <b>dr hab. Karol Bronisz</b>	
Academic discipline/disciplines	Forest sciences
Professional development (degrees and titles) in chronological order	2005 – Master of forestry 2013 - Doctor of forest sciences 2021 – Doctor habilitated in forest sciences
Most important publications/ patents in the last 3 years (maximum 10)	<p>Wertz, B., Ochał, W., Bronisz, K., Orzeł, S., 2026. Effect of the interaction between user experience and hypsometer type on the uncertainty of ground-based tree height measurement. <i>Forestry</i>. <a href="https://doi.org/10.1093/forestry/cpaf022">https://doi.org/10.1093/forestry/cpaf022</a></p> <p>Wilms, F., Berendt, F., Bronisz, K., Bashutska, U., Fotelli, M., Radoglou, K., Spyroglou, G., 2024. Applying taper function models for black locust plantations in Greek post-mining areas. <i>Sci Rep</i> 14, 13557. <a href="https://doi.org/10.1038/s41598-024-63048-1">https://doi.org/10.1038/s41598-024-63048-1</a></p> <p>Socha, J., Tymińska-Czabańska, L., Bronisz, K., Zięba, S., Hawryło, P., 2021. Regional height growth models for Scots pine in Poland. <i>Sci Rep</i> 11, 10330. <a href="https://doi.org/10.1038/s41598-021-89826-9">https://doi.org/10.1038/s41598-021-89826-9</a></p> <p>Bronisz K., Mehtätalo L. 2020. Mixed-effects generalized height-diameter model for young silver birch stands on post-agricultural lands. <i>Forest Ecology and Management</i> 460. <a href="https://doi.org/10.1016/j.foreco.2020.117901">https://doi.org/10.1016/j.foreco.2020.117901</a></p> <p>Bronisz K., Mehtätalo L. 2020. Seemingly Unrelated Mixed-Effects Biomass Models for Young Silver Birch Stands on Post-Agricultural Lands. <i>Forests</i> 11(4) 381. <a href="https://doi.org/10.3390/f11040381">https://doi.org/10.3390/f11040381</a></p> <p>Bronisz K., Zasada M. 2020. Comparison of Fixed- and Mixed-effects Approaches to Taper Modeling for Scots Pine in West Poland. <i>Forests</i> 10(11) 975. <a href="https://doi.org/10.3390/f10110975">https://doi.org/10.3390/f10110975</a> <a href="https://bw.sggw.edu.pl/globalResultList.seam?q=Karol+Bronisz&amp;oa=false&amp;r=publication&amp;ps=20&amp;tab=PUBLICATION&amp;lang=en&amp;pn=1&amp;qp=openAccess%3Dfalse&amp;cid=390661">https://bw.sggw.edu.pl/globalResultList.seam?q=Karol+Bronisz&amp;oa=false&amp;r=publication&amp;ps=20&amp;tab=PUBLICATION&amp;lang=en&amp;pn=1&amp;qp=openAccess%3Dfalse&amp;cid=390661</a></p>

Experience in work with doctoral students (defended doctoral dissertations, initiated doctoral procedures) in chronological order	<p>2023 Evaluating the land cover change of agroforestry program, land productivity, and farmer's welfare in garut, Indonesia</p> <p>2023 Non-timber forest products inventory and its benefits for forest communities</p>
Achievements in the area of projects/grants (in the last 5 years)	<p>2025 – 2029 Optimization of forest management to provide productive and non-productive forest functions. Expertise or study in WULS – national</p> <p>2023 – 2027 Integrated DSS for delivery of ecosystem services based on EU forest policies (DSS4ES). COST action.</p> <p>2023 – 2025 Management of environmental threats influencing the safety of railway traffic (BEZRUCHKOL). Project financed by The National Centre for Research and Development</p>
Subject area of the research project for which the candidate student is being recruited	<p>Modelling relationships occurring in forest stands</p> <p>Growth models</p> <p>Decision support systems in forestry</p> <p>Assessment and modelling of biomass and carbon content</p> <p>Dendrometry</p> <p>Forest Productivity Science</p>
<p><u>Contact details:</u></p> <p>Institute</p> <p>E-mail address</p> <p>Telephone number</p>	<p>Institute of Forest Sciences</p> <p>Karol_bronisz@sggw.edu.pl</p> <p>+48 5938086</p>